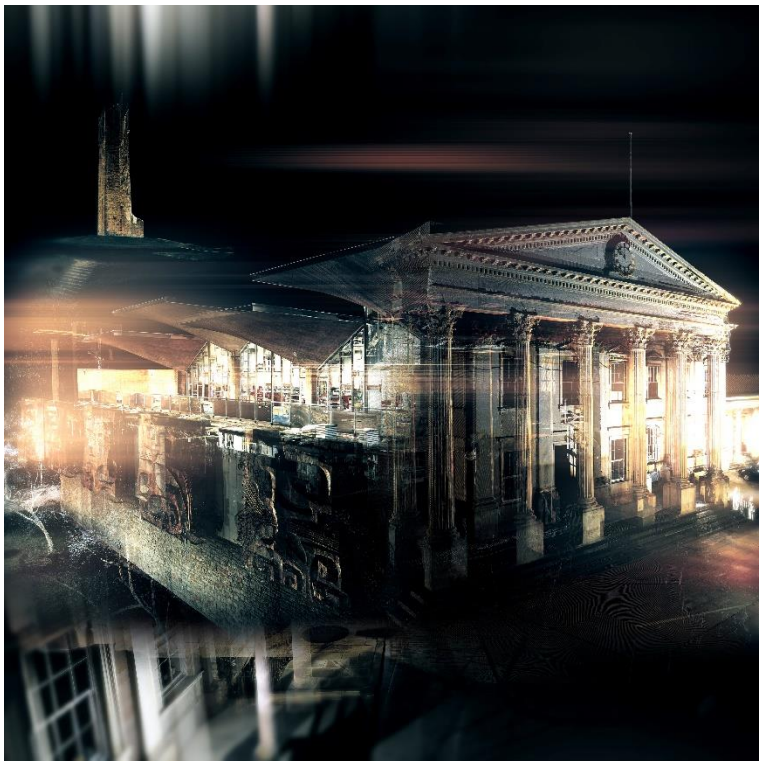
Exhibition Title_
Synthetic Spaces: The Digital Exploration of Three Iconic Sites in Huddersfield
by Professor Nic Clear & Hyun Jun Park (F.U.N. | Future Urban Networks)



Exhibition Introduction_
For this exhibition, Nic Clear and Hyun Jun Park have selected and scanned three iconic sites in Huddersfield: Castle Hill, Queensgate Market and the Railway Station. They have manipulated the scan data to represent and explore these familiar spaces in unique ways through the production of images, animations and drawings, and in doing so expand the possibilities of contemporary spatial representation.

The information produced by the scans is highly technical and yet the images themselves evoke a much more speculative response to the sites, and when used in combination with other techniques it facilitates both an extremely precise mapping of spaces as well as the opportunity to develop narratives around the spaces that engage with a wider set of ideas and values. The ability to manipulate the 'point-cloud' data allows Clear and park to create synthetic spatial models that exists between the virtual and the actual and combine the 'measured, the 'experienced' and even the 'practiced' in a way that no other form of spatial mapping is capable of.

The exhibition is an opportunity to showcase this technology as part of a wider area of research being undertaken by F.U.N. | Future Urban Networks at the University of Huddersfield, particularly exploring scanning technology as a form of art practice and represents the first stage of a longer project that will culminate with the 50th anniversary of the Queensgate Market in 2020.

Exhibition Constituents_

Two sets of animation films(3 UST projectors + 2TVs), seven chronograms (1225x595mm), and three sets of 3 x 3 images (300x300mm), Exhibition Poster and Introduction.

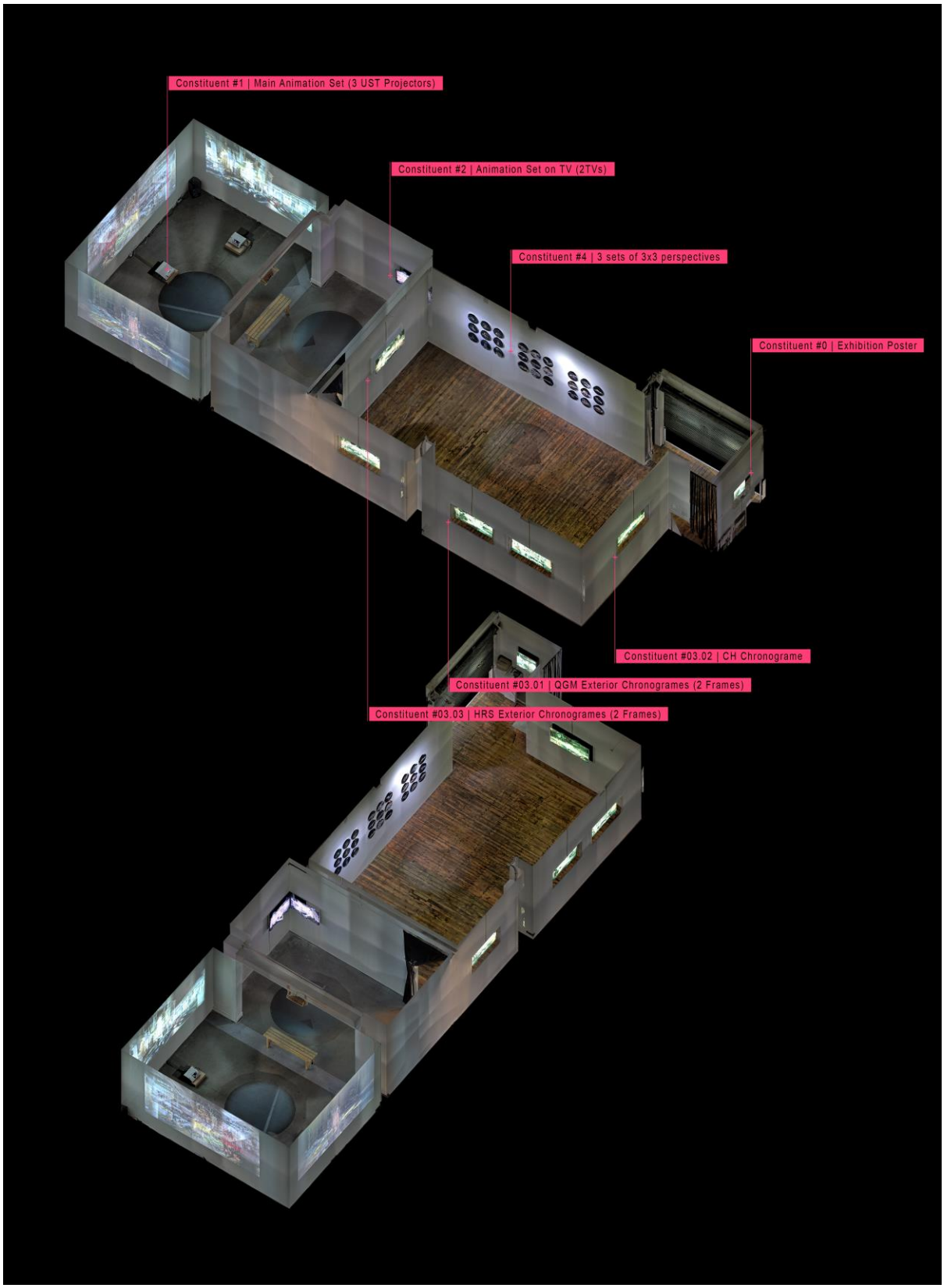


Figure 01. 3D scan image of exhibition installation, Isometic of Queensgate Market Gallery, Huddersfield

Exhibition Constituent #01_

The main animation set consists of three animations which represent three iconic sites in Huddersfield. Each animation was projected through three UST projectors on three walls to create an immersive environment. The length of the animation set is 9000 frames.

Figure 02. 3D scan image of the dark room.

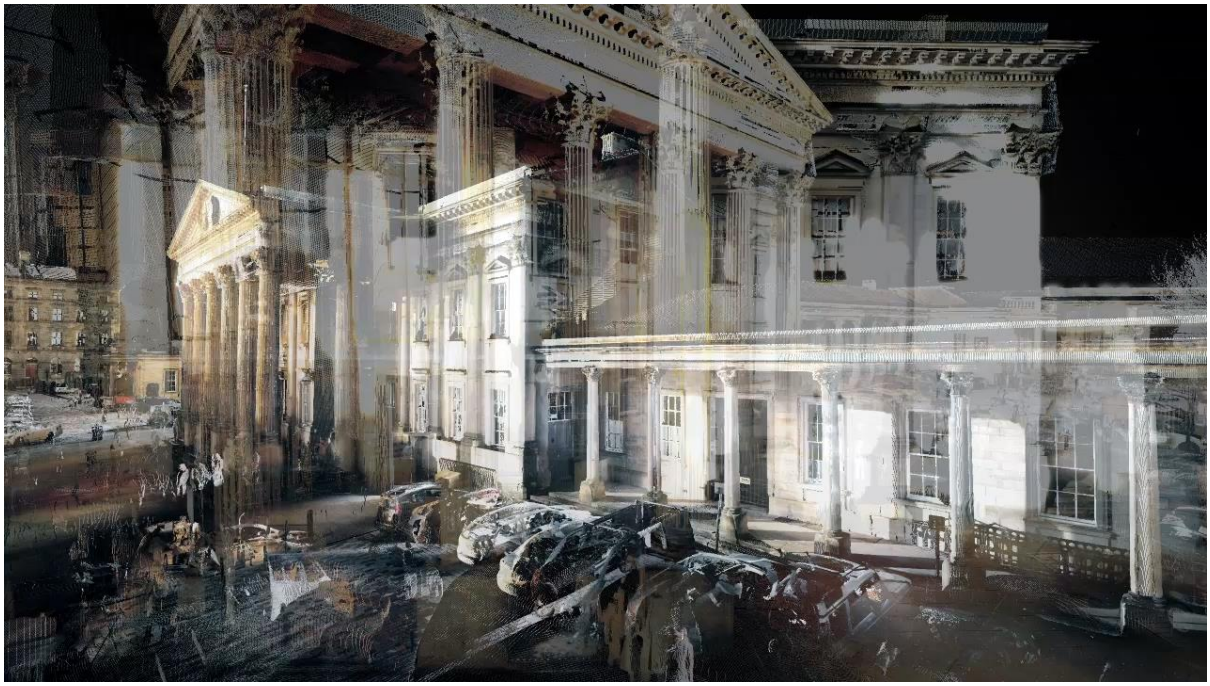


Figure 03. A film still, Synthetic Spaces of Huddersfield Railway Station.

Exhibition Constituent #02_

Another set of animation is played on two TVs as one unit. The animation is a panning shot across mirrored Queensgate Market interior space. Each animation has an opposite direction and screened two TVs which meet in the corner and create infinitely disappearing effect. The length of the animation set is 4500 frames.

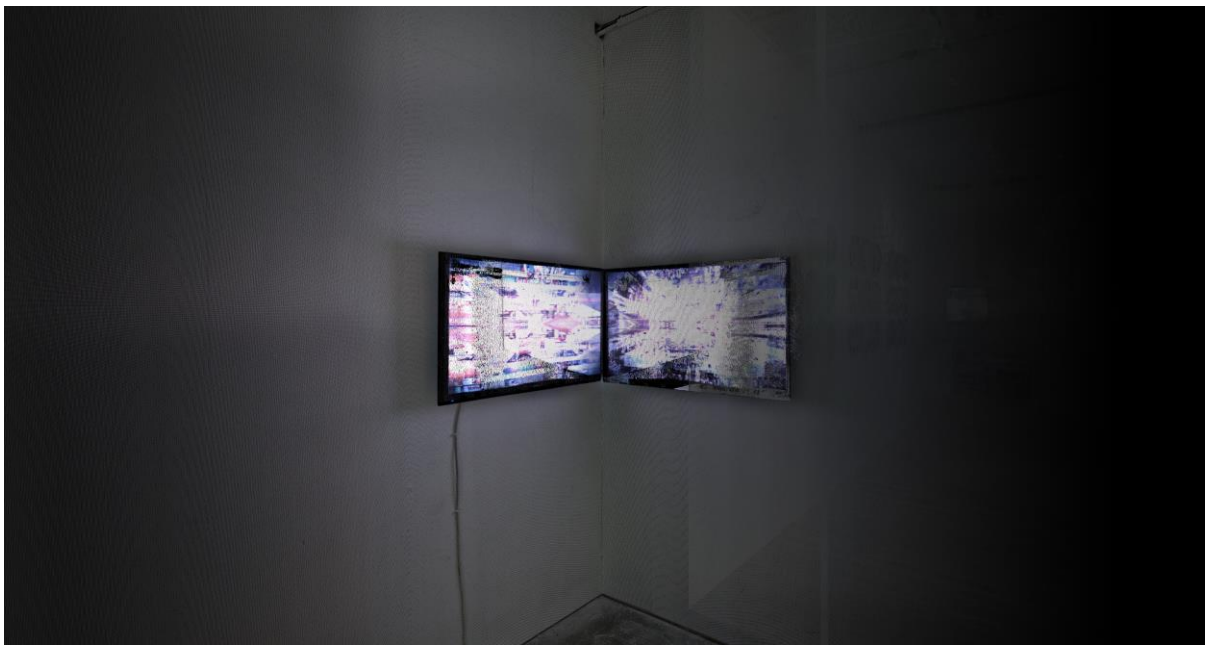


Figure 04. 3D scan image of TV installation.

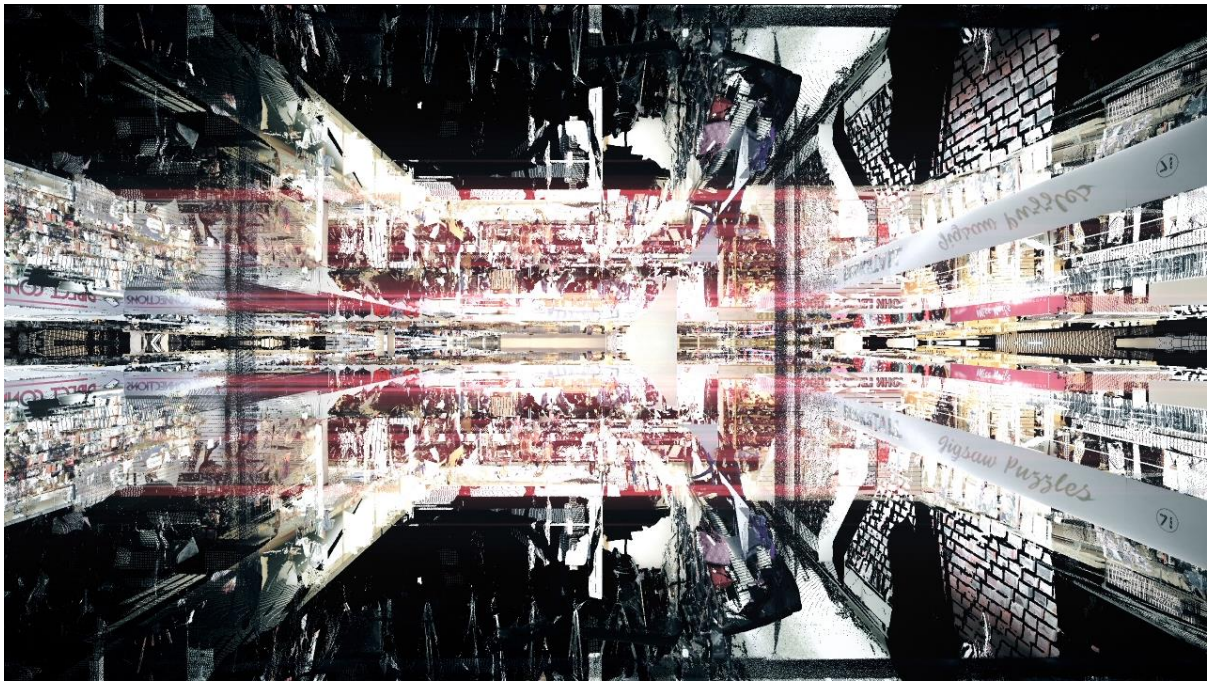


Figure 05. A film still of Synthetic Spaces of Queensgate Market.

Exhibition Constituent #03_

There are five compositional drawings called chronogram, which represent the relationship(s) between the movements of the camera(s) and the object(s) and space(s) in the Synthetic Spaces animation films. The list of the drawings is ‘Castle Hill Chronogram: Spiral Tracking Shot’, ‘Queensgate Market Chronogram: Exterior Pan’, ‘Queensgate Market Chronogram: Exterior Tracking Shot’, ‘Huddersfield Railway Station Chronogram: Exterior Pan’ and ‘Huddersfield Railway Station Chronogram: Exterior Tracking Shot’. The size of each drawing is 1225 x 595mm. The drawings are framed in lighting boxes

Figure 06. Queensgate Chronogram | Exterior Pan, Size: 1225 x 595mm

Figure 07. Huddersfield Railway Station Chronogram: Exterior Pan, Size: 1225 x 595mm

Exhibition Constituent #04_

Three sets of 3 x 3 perspective images. The list of the perspective sets is ‘Castle Hill Perspectives’, ‘Queensgate Market Perspectives’, and ‘Huddersfield Railway Station Perspectives’. The size of each drawing is 300 x 300mm. The drawings are installed on the discs or be directly fixed on the wall.

Figure 08. Queensgate Market Perspectives, 300 x 300mm

Figure 09, 3D scan image of the installation of discs.